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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/631,863A

DATE: 07/15/2001

TIME: 19:00:16

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 6 <120> TITLE OF INVENTION: Tumor-associated Antigen R11
 8 <130> FILE REFERENCE: 12211aa
 10 <140> CURRENT APPLICATION NUMBER: US 09/631,863A
 11 <141> CURRENT FILING DATE: 2000-08-03
 13 <160> NUMBER OF SEQ ID NOS: 102
 15 <170> SOFTWARE: PatentIn version 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 6582
 19 <212> TYPE: DNA
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47	cactccgggc tgcggagcac ccagtggaga ccgcgcctgg ctgaggtgtg ggaccccatc	180
49	cttctgtgtc tcgcagagga gtcctgcgct ggtgagt atg cga aat aag cgg gtt	235
50	Met Arg Asn Lys Arg Val	
51	1 5	
53	ttg aaa aca aaa aaa aga agg agt gga aga ggg ggc cag gat cca ggc	283
54	Leu Lys Thr Lys Lys Arg Arg Ser Gly Arg Gly Gly Gln Asp Pro Gly	
55	10 15 20	
57	ctc cat ccc cac aga agt gaa gct aca gct ggg agg tct cct ccc acc	331
58	Leu His Pro His Arg Ser Glu Ala Thr Ala Gly Arg Ser Pro Pro Thr	
59	25 30 35	
61	cca acc gtc acc ctg ggt ccc gac tgc cca cct cct cct cct ccc cct	379
62	Pro Thr Val Thr Leu Gly Pro Asp Cys Pro Pro Pro Pro Pro Pro Pro	
63	40 45 50	
65	ccc ccc aac aac aac aac aac aac aac tcc aag cac acc ggc cat aag	427
66	Pro Pro Asn Asn Asn Asn Asn Asn Ser Lys His Thr Gly His Lys	
67	55 60 65 70	
69	agt gcg tgt gtc ccc aac atg acc gaa cga aga agg gac gag ctc tct	475
70	Ser Ala Cys Val Pro Asn Met Thr Glu Arg Arg Arg Asp Glu Leu Ser	

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77 aac aac aac ctg cag agc cag gtg cag aag ctc aca gag gag aac acc				571
78 Asn Asn Asn Leu Gln Ser Gln Val Gln Lys Leu Thr Glu Glu Asn Thr				
79	105	110	115	
81 acc ctt cga gag caa gtg gaa ccc acc cct gag gat gag gat gat gac				619
82 Thr Leu Arg Glu Gln Val Glu Pro Thr Pro Glu Asp Glu Asp Asp Asp				
83	120	125	130	
85 atc gag ctc cgc ggt gct gca gca gct gct gcc cca ccc cct cca ata				667
86 Ile Glu Leu Arg Gly Ala Ala Ala Ala Ala Ala Pro Pro Pro Pro Ile				
87 135	140	145	150	
89 gag gaa gag tgc cca gaa gac ctc cca gag aag ttc gat ggc aac cca				715
90 Glu Glu Glu Cys Pro Glu Asp Leu Pro Glu Lys Phe Asp Gly Asn Pro				
91	155	160	165	
93 gac atg ctg gct cct ttc atg gcc cag tgc cag atc ttc atg gaa aag				763
94 Asp Met Leu Ala Pro Phe Met Ala Gln Cys Gln Ile Phe Met Glu Lys				
95	170	175	180	
97 agc acc agg gat ttc tca gtt gat cgt gtc cgt gtc tgc ttc gtg aca				811
98 Ser Thr Arg Asp Phe Ser Val Asp Arg Val Arg Val Cys Phe Val Thr				
99	185	190	195	
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102 Ser Met Met Thr Gly Arg Ala Ala Arg Trp Ala Ser Ala Lys Leu Glu				
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105 cgc tcc cac tac ctg atg cac aac tac cca gct ttc atg atg gaa atg				907
106 Arg Ser His Tyr Leu Met His Asn Tyr Pro Ala Phe Met Met Glu Met				
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113 atc aga cgc ctg cgc caa ggc atg ggg tct gtc atc gac tac tcc aat				1003
114 Ile Arg Arg Leu Arg Gln Gly Met Gly Ser Val Ile Asp Tyr Ser Asn				
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125 tcc cac ctc gag gtc gcc aag tcg ctg tct gct ctg att ggg cag tgc				1147
126 Ser His Leu Glu Val Ala Lys Ser Leu Ser Ala Leu Ile Gly Gln Cys				
127 295	300	305	310	
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130 Ile His Ile Glu Arg Arg Leu Ala Arg Ala Ala Ala Arg Lys Pro				
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133 cgc tcg cca ccc cgg gcg ctg gtg ttg cct cac att gca agc cac cac				1243
134 Arg Ser Pro Pro Arg Ala Leu Val Leu Pro His Ile Ala Ser His His				
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138 Gln Val Asp Pro Thr Glu Pro Val Gly Gly Ala Arg Met Arg Leu Thr
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141 cag gaa gaa aaa gaa aga cgc aga aag ctg aac ctg tgc ctc tac tgt      1339
142 Gln Glu Glu Lys Glu Arg Arg Lys Leu Asn Leu Cys Leu Tyr Cys
143      360      365      370
145 gga aca gga ggt cac tac gct gac aat tgt cct gcc aag gcc tca aag      1387
146 Gly Thr Gly Gly His Tyr Ala Asp Asn Cys Pro Ala Lys Ala Ser Lys
147 375      380      385      390
149 tct tcg ccg gcg gga aac tcc ccg gcc ccg ctg tag agggaccttc      1433
150 Ser Ser Pro Ala Gly Asn Ser Pro Ala Pro Leu
151      395      400
153 agcgaccggg ccagaaataa taagggtcccc acaagatgat gcctcatctc cacacttgca      1493
155 agtg atg ctc cag att cat ctt ccg ggc aga cac acc ctg ttc gtc cga      1542
156      Met Leu Gln Ile His Leu Pro Gly Arg His Thr Leu Phe Val Arg
157      405      410      415
159 gcc atg atc gat tct ggt gct tct ggc aac ttc att gat cac gaa tat      1590
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163 gtt gct caa aat gga att cct cta aga atc aag gac tgg cca ata ctt      1638
164 Val Ala Gln Asn Gly Ile Pro Leu Arg Ile Lys Asp Trp Pro Ile Leu
165      435      440      445
167 gtg gaa gca att gat ggg cgc ccc ata gca tcg ggc cca gtt gtc cac      1686
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172 Glu Thr His Asp Leu Ile Val Asp Leu Gly Asp His Arg Glu Val Leu
173 465      470      475      480
175 tca ttt gat gtg act cag tct cca ttc ttc cct gtc gtc cta ggg gtt      1782
176 Ser Phe Asp Val Thr Gln Ser Pro Phe Phe Pro Val Val Leu Gly Val
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183 atc gtc ttt gat tct gaa tac tgc cgc tac cac tgc cgg atg tat tct      1878
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185      515      520      525
187 cca ata cca cca tcg ctc cca cca gca cca caa ccg cca ctc tat      1926
188 Pro Ile Pro Pro Ser Leu Pro Pro Pro Ala Pro Gln Pro Pro Leu Tyr
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191 tat cca gta gat gga tac aga gtt tac caa cca gtg agg tat tac tat      1974
192 Tyr Pro Val Asp Gly Tyr Arg Val Tyr Gln Pro Val Arg Tyr Tyr Tyr
193 545      550      555      560
195 gtc cag aat gtg tac act cca gta gat gag cac gtc tac cca gat cac      2022
196 Val Gln Asn Val Tyr Thr Pro Val Asp Glu His Val Tyr Pro Asp His
197      565      570      575
199 cgc ctg gtt gac cct cac ata gaa atg ata cct gga gca cac agt att      2070
200 Arg Leu Val Asp Pro His Ile Glu Met Ile Pro Gly Ala His Ser Ile
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211	att gca cct aat gga gcc caa gtt ctc cag gtg aag agg ggg tgg aaa	2214
212	Ile Ala Pro Asn Gly Ala Gln Val Leu Gln Val Lys Arg Gly Trp Lys	
213	625 630 635 640	
215	ctg caa gtt tct tat gat tgc cga gct cca aac aat ttt act atc cag	2262
216	Leu Gln Val Ser Tyr Asp Cys Arg Ala Pro Asn Asn Phe Thr Ile Gln	
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219	aat cag tat cct cgc cta tct att cca aat tta gaa gac caa gca cac	2310
220	Asn Gln Tyr Pro Arg Leu Ser Ile Pro Asn Leu Glu Asp Gln Ala His	
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223	ctg gca acg tac act gaa ttc gta cct caa ata cct gga tac caa aca	2358
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225	675 680 685	
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